

**THAT WHICH IS CLAIMED IS:**

1. A process for upgrading an oligomerization product comprising contacting said oligomerization product, under conversion conditions, with a catalyst system comprising a group VIII metal component and a ZSM-5 zeolite, thereby forming an upgraded oligomerization product.

2. A process in accordance with claim 1 wherein said group VIII metal component is platinum.

3. A process in accordance with claim 1 wherein said ZSM-5 is in the hydrogen form.

4. A process in accordance with claim 1 wherein said composition further comprises a porous carrier material.

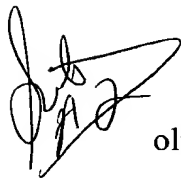
5. A process in accordance with claim 4 wherein said porous carrier material is alumina.

6. A process in accordance with claim 1 wherein said oligomerization product comprises oligomeric olefins.

7. A process in accordance with claim 1 wherein said oligomerization product comprises a co-oligomer of a first olefin and a second olefin, said first olefin and said second olefin each having 15 or less carbon atoms per molecule.



8. A process in accordance with claim 7 wherein said first olefin is ethylene and said second olefin is propylene.



9. A process in accordance with claim 1 wherein said oligomerization product comprises a ter-oligomer of a first olefin, a second olefin, and a third olefin, said first olefin, said second olefin, and said third olefin each having 15 or less carbon atoms per molecule.

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10. A process in accordance with claim 1 wherein said conversion conditions include the presence of hydrogen, a temperature in the range of from about 180°C to about 400°C, and a pressure in the range of from about 0 psig to about 2000 psig.

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11. A process in accordance with claim 1 wherein said conversion conditions include the presence of hydrogen, a temperature in the range of from about 190°C to about 350°C, and a pressure in the range of from about 50 psig to about 1500 psig.

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12. A process in accordance with claim 1 wherein said conversion conditions include the presence of hydrogen, a temperature in the range of from 200°C to 300°C, and a pressure in the range of from 150 psig to 1000 psig.

13. A process in accordance with claim 1 wherein said composition contains in the range of from about 0.1 to about 2.0 wt. % platinum.

5 14. A process in accordance with claim 1 wherein said composition contains in the range of from about 0.2 to about 1.0 wt. % platinum.

15. A process in accordance with claim 1 wherein said composition contains in the range of from about 50 to about 99 wt. % ZSM-5 zeolite.

10 16. A process in accordance with claim 1 wherein said composition contains in the range of from about 70 to about 90 wt. % ZSM-5 zeolite.

15 17. A process in accordance with claim 1 wherein said upgraded oligomerization product exhibits a lower pour point than said oligomerization product as determined using test method ASTM D97.

18. A process in accordance with claim 1 wherein said upgraded oligomerization product exhibits a greater viscosity index than said oligomerization product as determined using test method ASTM D567.

19. A process as recited in claim 1 wherein said upgraded oligomerization product exhibits a pour point that is less than about  $-20^{\circ}\text{C}$  as determined using test method ASTM D97.

5 20. A process as recited in claim 1 wherein said upgraded oligomerization product exhibits a pour point that is less than about  $-40^{\circ}\text{C}$  as determined using test method ASTM D97.

21. A process as recited in claim 1 wherein said upgraded oligomerization product exhibits a viscosity index that is greater than about 100 as determined using test method ASTM D567.

10 22. A process as recited in claim 1 wherein said upgraded oligomerization product exhibits a viscosity index that is greater than about 140 as determined using test method ASTM D567.